TEXAS INSTRUMENTS

Data Acquisition Circuits

Data Conversion and DSP Analog Interface

Data Book

1995

Mixed-Signal Products

INTRODUCTION

Texas Instruments offers an extensive line of industry-standard integrated circuits designed to provide highly reliable circuits for peripheral support applications of microprocessor-based systems, DSP (digital signal processing) related analog interfaces, video interfaces, video and high-speed converters, digitizing requirements that demand ADC and DAC conversion, and general-purpose functions.

TI data acquisition system circuits represent technologies from traditional bipolar through LinCMOS™, Advanced LinCMOS™, and LinEPIC™ processes. The LinCMOS™ and Advanced LinCMOS™ technologies feature improvements in resolution, power consumption, and temperature stability. LinEPIC™ has both improved conversion speed and reduced power consumption.

This data book provides information on the following types of products:

- Dual-Slope Analog-to-Digital Converters (ADC)
- Successive-Approximation Semi-Flash, and Flash ADC Converters
- Current Multiplying and Video DAC Converters
- High-Speed Converters for Control Applications
- Color Palette Chips for Computer Graphics
- Analog Interface Circuits for DSP Interface
- Switched-Capacitor Filter ICs
- Other General-Purpose Functions

These products cover the requirements of PC and workstation multimedia applications such as audio, graphics, communication applications, modems and cellular phones, video capture and image processing, industrial control and disk-drive servo-loop control, automotive,f electronic instrumentation, consumer, digital audio and any DSP or microprocessor-based system. New surface-mount packages include both ceramic and plastic chip carriers, and the small-outline plastic packages that optimize board density with minimum impact on power-dissipation capability. The equipment with handlers and test equipment. In addition, specifications and programs are continuously updated. Quality and performance are monitored throughout all phases of manufacturing.

Included are those new products added to this volume as indicated by a dagger(†). The selection guide includes a functional description of each device by providing key parametric information and packaging options. Ordering information and mechanical data are in the last section of the book.

Complete technical data for all TI semiconductor products are available from your nearest TI Field Sales Office, local authorized TI distributor, or by writing directly to:

Texas Instruments Incorporated
LITERATURE RESPONSE CENTER
P.O. Box 809066
DALLAS, TEXAS 75380-9066

We sincerely believe the new 1995 Data Acquisition Circuits Data Book will be a significant addition to your technical literature from Texas Instruments.

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†Product Preview

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